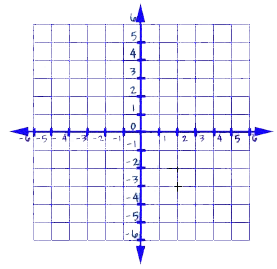
Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_

Perimeter & Area in the Coordinate Plane

For each problem:

* Plot the ordered pairs in the coordinate plane given
* Find the perimeter of the figure
* Find the area of the figure
* Find the distance between each point by using the absolute value method.

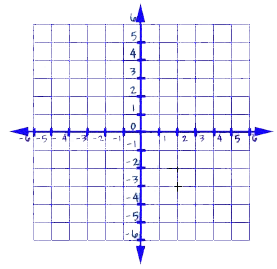
1. G (-4, 5) H (5, 5) I (-4, -5) J (5, -5)



Perimeter of RST:\_\_\_\_\_\_\_\_\_\_ Area of RST:\_\_\_\_\_\_\_\_\_

1. This figure is a four sided polygon. Before finding the area and perimeter find the missing point.

R (-2, 2) S (4, 2) T ( , ) U ( -2, -3)



Perimeter of GHIJ:\_\_\_\_\_\_\_\_\_\_ Area of GHIJ:\_\_\_\_\_\_\_\_\_

What was the fourth vertex?

How did you find the length for each side of the figure?

1. On a map, the library is located at (-2, 2), the city hall building is located at (0,2), and the high school is located at (0,0).

Represent the locations as points on a coordinate grid with a unit of 1 mile.

* What is the distance from the library to the city hall building? The distance from the city hall building to the high school? How do you know?
* What shape does connecting the three locations form? The city council is planning to place a city park in this area. How large is the area of the planned park?